

ABSTRACT

An air purifier having a high level of air purifying power, especially an air purifier capable of efficiently removing airborne dust, smoke from cigarette or cigar or tobacco, harmful gas and the like, is disclosed. This air purifier comprises at least a discharge electrode (1) capable of producing ions upon discharge, a counter electrode (2) located opposite to the discharge electrode, and a power supply (3) capable of applying voltage across the discharge electrode and the counter electrode for inducing discharge for producing ions at the discharge electrode. The counter electrode (2) comprises a gas absorbent material comprising: a high-temperature carbonized charcoal which has been carbonized at a temperature of about 800°C or above; a low-temperature carbonized charcoal which has been carbonized at a temperature of about 500°C or below; and alginic acid or its salt or calcium oxide.